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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/570,916	03/02/2006	Biao He	02307O-138910US	8961	
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TWO EMBAR	RCADERO CENTER	ALL W, BEI	DAVIS, MI	DAVIS, MINH TAM B	
	IGHTH FLOOR AN FRANCISCO, CA 94111-3834		ART UNIT	PAPER NUMBER	
· ·		1642	<u> </u>		
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			MAIL DATE	DELIVERY MODE	
	·		08/09/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/570,916	HE ET AL.
Office Action Summary	Examiner	Art Unit
	MINH-TAM DAVIS	1642
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with	the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailting date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUNICA 136(a). In no event, however, may a repl will apply and will expire SIX (6) MONTH e. cause the application to become ABAN	ATION. y be timely filed S from the mailing date of this communication. IDONED (35 U.S.C. \$ 133)
Status		
1) Responsive to communication(s) filed on <u>02 N</u> 2a) This action is FINAL . 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under <u>N</u>	s action is non-final.	
Disposition of Claims		
4) Claim(s) 1-25 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-25 are subject to restriction and/or expressions.	wn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	epted or b) objected to by drawing(s) be held in abeyance tion is required if the drawing(s)	. See 37 CFR 1.85(a). is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in App rity documents have been re u (PCT Rule 17.2(a)).	lication No ceived in this National Stage
Attachment(s) Output	Paper No(s)/N 5) Notice of Infor	mary (PTO-413) lail Date mal Patent Application
Paper No(s)/Mail Date	6)	

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group1, claim(s) 1-3, 12, drawn to a method for detecting lung cancer, by detecting the level of the nucleic acid SEQ ID NO:1.

Groups 2-5, claim(s) 1-3, 12, drawn to a method for detecting breast cancer, mesothelioma, colon cancer or sarcoma, by detecting the level of the nucleic acid SEQ ID NO:1. A method for detecting each cancer constitutes a single, distinct invention.

Groups 6-10, claims 4-6, 12, drawn to a method for detecting lung cancer, breast cancer, mesothelioma, colon cancer or sarcoma, by detecting the level of the polypeptide SEQ ID NO:2. A method for detecting each cancer constitutes a single, distinct invention.

Groups 11-15, claims 7-11, 13, drawn to a method for detecting lung cancer, breast cancer, mesothelioma, colon cancer or sarcoma, by detecting the methylation of the promoter SEQ ID NO: 3. A method for detecting each cancer constitutes a single, distinct invention.

Group 16, claims 14-16, drawn to a method for screening an agent that increases SOCS-3 activity, using SOCS-3 promoter.

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Group 17, claims 14-15, 17, drawn to a method for screening an agent that increases SOCS-3 activity, using SOCS-3 mRNA transcript.

Group 18, claims 14-15, 18, drawn to a method for screening an agent that increases SOCS-3 activity, using SOCS-3 polypeptide.

Groups 19-23, claims 19-24, drawn to a method for treating lung cancer, breast cancer, mesothelioma, colon cancer or sarcoma, using SOCS-3 nucleic acid SEQ ID NO:1. A method for treating each cancer constitutes a single, distinct invention.

Groups 24-28, claims 19-21, 23, drawn to a method for treating lung cancer, breast cancer, mesothelioma, colon cancer or sarcoma, using SEQ ID NO:2. A method for treating each cancer constitutes a single, distinct invention.

Groups 29-33, claims 19-21, 24, drawn to a method for treating lung cancer, breast cancer, mesothelioma, colon cancer or sarcoma, using a demethylation agent. A method for treating each cancer constitutes a single, distinct invention.

Group 34, claim 25, drawn to a kit comprising a primers from SEQ ID NO:3.

The inventions are distinct, each from the other because of the following reasons:

An international stage application shall relate to one invention only or to a group of inventions so linked as to form a single general inventive concept. When claims to different categories are present in the application, the claims will be considered to have unity of invention if the claims are drawn only to one of the following combinations of categories: (1) A product and a process specially adapted for the manufacture of said product; or (2) A product and a process of use of said product; or (3) A product, a process specially adapted for the manufacture

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of the said product, and a use of the said product; or (4) A process and an apparatus or means specifically designed for carrying out the said process; or (5) A product, a process specially adapted for the manufacture of the said product, and an apparatus or means specifically designed for carrying out the said process. If multiple products, processes of manufacture or uses are claimed, the first invention of the category first mentioned in the claims of the application will be considered as the main invention in the claims, see PCT article 17(3) (a) and 1.476 (c), 37 C.F.R. 1.475(b) and (d). Group I will be the main invention. After that, all other products and methods will be broken out as separate groups (see 37 CFR 1.475(d).)

Group I, claims 1-3, 12, forms a single general inventive concept.

Groups 2-5, 17, 19-23, are additional use of the nucleic acid SEO ID NO:1.

Groups 6-16, 18, 24-33 do not share the same technical feature of group I, because the methods of groups 6-16, 18, 24-33 do not use the nucleic acid SEQ ID NO:1 of group I.

Group 34 does not share the same technical feature of group I, because the composition of group 34 does not share a common structure with the nucleic acid SEQ ID NO:1 of group I.

Accordingly, Groups 1-34 are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by

a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to MINH-TAM DAVIS whose telephone number is 571-272-0830.

The examiner can normally be reached on 9:00 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, SHANON FOLEY can be reached on 571-272-0898. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MINH TAM DAVIS

July 31, 2007

/Larry R. Helms/

Supervisory Patent Examiner

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